

IN THE CLAIMS

Please amend the claims as follows:

1. (currently amended) A portable x-ray device, comprising:
a housing containing an x-ray source and an integrated power system containing an internal power source;
integrated display means comprising an LCD screen; and
detecting means structurally unattached to the housing.
2. (original) The device of claim 1, wherein the detecting means is electrically coupled to the x-ray device.
3. (original) The device of claim 1, wherein the detecting means electrically communicates with the x-ray device using wireless technology.
4. (currently amended) The device of claim 1, wherein the device is a hand-held device ~~comprised integrated display means~~.
5. (currently amended) The device of claim 1 ~~claim 4~~, wherein the device has a high current load for radiographic imaging ~~the display means comprises an LCD screen~~.
6. (previously presented) The device of claim 1, wherein the power source can be removed from the housing.
7. (previously presented) The device of claim 1, wherein the power system comprises a plurality of power supplies with each power supply providing a power ranging from about 20kV to about 50kV.
8. (original) The device of claim 1, wherein the x-ray source is shielded with a low-density insulating material containing a high-Z substance.
9. (currently amended) A ~~portable~~ hand-held x-ray device, comprising:

a housing containing an x-ray source, an integrated power system containing an internal power source, and integrated display means comprising an LCD screen; and

detecting means structurally unattached to the housing.

10. (previously presented) The device of claim 9, wherein the power source can be removed from the housing.

11. (previously presented) The device of claim 9, wherein the power system comprises a plurality of power supplies with each power supply providing a power ranging from about 20kV to about 50kV.

12. (original) The device of claim 9, wherein the x-ray source is shielded with a low-density insulating material containing a high-Z substance.

13. (currently amended) A digital x-ray camera, comprising:
a housing containing an x-ray source, an integrated power system containing an internal power source, and integrated display means comprising an LCD screen; and
detecting means structurally unattached to the housing.

14. (previously presented) The camera of claim 13, wherein the power system comprises a plurality of power supplies with each power supply providing a power ranging from about 20kV to about 50kV.

15. (previously presented) The camera of claim 13, wherein the x-ray source is shielded with a low-density insulating material containing a high-Z substance.

16. (currently amended) A system for x-ray analysis, the system containing a digital x-ray camera with a housing containing an x-ray source, ~~and~~ an integrated power system with an internal power source, and an integrated display means comprising an LCD screen, and detecting means structurally unattached to the housing.

17. (previously presented) The system of claim 16, wherein the power system comprises a plurality of power supplies with each power supply providing a power ranging from about 20kV to about 50kV.

18. (original) The system of claim 16, wherein x-ray source is shielded with a low-density insulating material containing a high-Z substance.

19. (currently amended) A method for making a portable x-ray device, the method comprising:

providing a housing with an x-ray source and an integrated power system containing an internal power source

providing an integrated display means comprising an LCD screen; and

providing detecting means structurally unattached to the housing.

20. (previously presented) The method of claim 19, including:

providing the power system with a plurality of power supplies with each power supply providing a power ranging from about 20kV to about 50kV; and

providing the x-ray source with a shielding comprising a low-density insulating material containing a high-Z substance.

21. (currently amended) A method for analysis, comprising:

providing a digital x-ray camera with a housing containing an x-ray source, ~~and an~~ integrated power system having an internal power source, and an integrated display means comprising an LCD screen, with detecting means structurally unattached to the housing; and

powering the x-ray source using the integrated power system.

22. (previously presented) The method of claim 21, including:

providing the power system with a plurality of power supplies with each power supply providing a power ranging from about 20kV to about 50kV; and

providing the x-ray source with a shielding comprising a low-density insulating material containing a high-Z substance.

23. (currently amended) A method for dental imaging, comprising:

providing a digital x-ray camera with a housing containing an x-ray source, ~~and an~~ integrated power system having an internal power source, and an integrated display means comprising an LCD screen, with detecting means structurally unattached to the housing; and

powering the x-ray source using the integrated power system so that x-rays impinge in the teeth of a patient.

24. (previously presented) The method of claim 23, including:

providing the power system with a plurality of power supplies with each power supply providing a power ranging from about 20kV to about 50kV; and

providing the x-ray source with a shielding comprising a low-density insulating material containing a high-Z substance.

25. (original) The device of claim 1, further comprising a controllable display means.

26. (original) The device of claim 25, wherein the controllable display means is integrated into the housing.

27. (original) The device of claim 25, wherein the controllable display means is external to the x-ray device.

28. (original) The device of claim 25, wherein the controllable display means comprises a portable electronic device.

29. (original) The device of claim 9 ~~claim 28~~, wherein the ~~portable electronic device~~ enhances the image analysis of the x-ray device has a high current load for radiographic imaging.

30. (currently amended) A portable x-ray device, comprising:
a housing containing an x-ray source and an internal power source;
controllable display means integrated into the housing and comprising an LCD screen;
and
detecting means structurally unattached to the housing.

31. (new) The device of claim 30, wherein the device has a high current load for radiographic imaging.

32. (new) The device of claim 30, wherein the x-ray source is located in a first portion of a housing and the internal power source is located in the second portion of the housing.

33. (new) The device of claim 31, wherein the housing is configured for a user to hold the second portion and orient the first portion in the desired direction for emitting the x-rays.